

IN THE CLAIMS:

Please amend the claims as follows.

1.-28. (Cancelled)

29. (New) A method for designing of a roller cone drill bit, comprising:
- generating a first design of a roller cone drill bit;
 - simulating the first design of the roller cone drill bit in an earth formation to obtain first simulation results;
 - generating a second design of the roller cone drill bit based on the first simulation results;
 - simulating the second design of the roller cone drill bit in the earth formation to obtain second simulation results; and
 - comparing the first simulation results and the second simulation results to obtain comparative results; and
 - generating a third design of the roller cone drill bit based on the comparative results.